Glance 'n Go Sampling for Greenbugs in Winter Wheat

Treatment Threshold = 6 Greenbugs/Tiller

Spring Edition

OSU OKLAHOMA COOPERATIVE EXTENSION SERVICE

Economic Thresholds for January - May

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Directions

- To sample the wheat field, use a "zig zag" or "W" pattern and walk at least 15 steps (about 30 ft) between stops.
- Carefully pull and examine 3 tillers (stems) per stop, taking one tiller from the left, right, and front.
- At each stop, color in the leaf for each tiller that has one or more greenbugs on it, and keep a running total. If the number of infested tillers is less than or equal to the number in the "Don't Treat" column then stop sampling, and do not treat. If the number of infested tillers is equal to or greater than the number in the "Treat" column then stop sampling, and treat the field. If the number falls within the numbers listed in the "Keep Sampling" column, continue sampling until a decision can be made, or the "Stop Sampling" box has been reached.

- If the "Stop Sampling" box is reached and a decision is not made:
  - Do not spray if most of the greenbugs are mummies.
  - Recheck the field in 2-4 days if no or very few mummies are present.

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Field 1 Date Spring, Threshold = 6

Sample ▼	Stop every 30 ft. and look at 3 tillers. Mark a leaf for each tiller that has 1 or more greenbugs					Total tillers with 1 or more greenbugs	Don't Treat ▼	Keep Sampling ▼	Treat ▼
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5				
Tillers 1-15 ▶						▶ /15 ▶	7 or less	8-15	N/A
Tillers 16-30 ▶						▶ /30 ▶	19 or less	20-28	29 or more
Tillers 31-45 ▶						▶ /45 ▶	31 or less	32-40	41 or more
Tillers 46-60 ▶						▶ /60 ▶	43 or less	44-52	53 or more
Tillers 61-75 ▶						▶ /75 ▶	55 or less	56-65	66 or more
Tillers 76-90 ▶						▶ /90 ▶	68 or less	69-77	78 or more
	Stop Sampling		Resample in 2-4 days						

Field 2 Date Spring, Threshold = 6

Sample ▼	Stop every 30 ft. and look at 3 tillers. Mark a leaf for each tiller that has 1 or more greenbugs					Total tillers with 1 or more greenbugs	Don't Treat ▼	Keep Sampling ▼	Treat ▼
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5				
Tillers 1-15 ▶						▶ /15 ▶	7 or less	8-15	N/A
Tillers 16-30 ▶						▶ /30 ▶	19 or less	20-28	29 or more
Tillers 31-45 ▶						▶ /45 ▶	31 or less	32-40	41 or more
Tillers 46-60 ▶						▶ /60 ▶	43 or less	44-52	53 or more
Tillers 61-75 ▶						▶ /75 ▶	55 or less	56-65	66 or more
Tillers 76-90 ▶						▶ /90 ▶	68 or less	69-77	78 or more
	Stop Sampling		Resample in 2-4 days						

Field 3 Date Spring, Threshold = 6

Sample ▼	Stop every 30 ft. and look at 3 tillers Mark a leaf for each tiller that has 1 or more greenbugs					Total tillers with 1 or more greenbugs	Don't Treat ▼	Keep Sampling ▼	Treat ▼
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5				
Tillers 1-15 ▶						▶ /15 ▶	7 or less	8-15	N/A
Tillers 16-30 ▶						▶ /30 ▶	19 or less	20-28	29 or more
Tillers 31-45 ▶						▶ /45 ▶	31 or less	32-40	41 or more
Tillers 46-60 ▶						▶ /60 ▶	43 or less	44-52	53 or more
Tillers 61-75 ▶						▶ /75 ▶	55 or less	56-65	66 or more
Tillers 76-90 ▶						▶ /90 ▶	68 or less	69-77	78 or more
	Stop Sampling		Resample in 2-4 days						

Field 4 Date Spring, Threshold = 6

Sample ▼	Stop every 30 ft. and look at 3 tillers Mark a leaf for each tiller that has 1 or more greenbugs					Total tillers with 1 or more greenbugs	Don't Treat ▼	Keep Sampling ▼	Treat ▼
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5				
Tillers 1-15 ▶						▶ /15 ▶	7 or less	8-15	N/A
Tillers 16-30 ▶						▶ /30 ▶	19 or less	20-28	29 or more
Tillers 31-45 ▶						▶ /45 ▶	31 or less	32-40	41 or more
Tillers 46-60 ▶						▶ /60 ▶	43 or less	44-52	53 or more
Tillers 61-75 ▶						▶ /75 ▶	55 or less	56-65	66 or more
Tillers 76-90 ▶						▶ /90 ▶	68 or less	69-77	78 or more
	Stop Sampling		Resample in 2-4 days						

Field 5 Date Spring, Threshold = 6

Sample ▼	Stop every 30 ft. and look at 3 tillers Mark a leaf for each tiller that has 1 or more greenbugs					Total tillers with 1 or more greenbugs	Don't Treat ▼	Keep Sampling ▼	Treat ▼
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5				
Tillers 1-15 ▶						▶ /15 ▶	7 or less	8-15	N/A
Tillers 16-30 ▶						▶ /30 ▶	19 or less	20-28	29 or more
Tillers 31-45 ▶						▶ /45 ▶	31 or less	32-40	41 or more
Tillers 46-60 ▶						▶ /60 ▶	43 or less	44-52	53 or more
Tillers 61-75 ▶						▶ /75 ▶	55 or less	56-65	66 or more
Tillers 76-90 ▶						▶ /90 ▶	68 or less	69-77	78 or more
	Stop Sampling		Resample in 2-4 days						